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October 23, 2006

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Via First-Class Mail

Certificate of Correction Branch  
Commissioner for Patents  
U.S. PATENT & TRADEMARK OFFICE  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Certificate**  
OCT 27 2006  
**of Correction**

Re: **U.S. PATENT NO. 7,088,665**  
**Application Serial No. 10/058,435**  
**CERTIFICATE OF CORRECTION**  
Our Ref. No.: 051270-0277033

Dear Sir:

In regards to the above-referenced patent, a Notice of Allowance was issued on March 17, 2006 which incorrectly indicates that the filing date of the application is January 30, 2002. The correct filing date however, is January 25, 2002.

In response to the Notice of Allowance, the issue fee was filed on June 19, 2006 together with a "Notification of Incorrect Filing Date on Notice of Allowance and Filing Receipt and Request for Corrected Filing Receipt". A corrected filing receipt was subsequently issued by the USPTO on June 23, 2006 bearing the correct filing date of the application, which is January 25, 2002.

In the ensuing letters patent however, which was issued on August 8, 2006, the filing date of the application incorrectly appears as January 30, 2002.

Accordingly, it is hereby requested that the enclosed Certificate of Correction for the above-referenced patent be processed to correct the filing date of the application to read January 25, 2002. A copy of the corrected filing receipt is also enclosed for you reference.

It is believed that no fee is required for this request due to the fact the error was made by the USPTO. However, if a fee is necessary, the Commissioner is hereby authorized to

OCT 30 2006

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charge the fee for the Certificate of Correction in the amount of \$100.00 to our Deposit Account No. 033975. The Commissioner is further authorized to charge any deficiency in payment or credit any overpayment to the aforementioned account number. A copy of this letter is enclosed.

Should you have any questions, please do not hesitate to call the undersigned at 213-488-7584. Thank you.

Respectfully submitted,

PILLSBURY WINTHROP SHAW PITTMAN LLP



Roger R. Wise

Registration No. 31,204

RRW:msg

Enclosures

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : 7088665

APPLICATION NO.: 10/058,435

ISSUE DATE : August 8, 2006

INVENTOR(S) : ATSUSHI OGAWA and TOMOAKI HIRAI

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On title page, item 22, Filed:  
replace "January 30, 2002"  
with --January 25, 2002--.

**MAILING ADDRESS OF SENDER (Please do not use customer number below):**

Roger R. Wise  
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This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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OCT 30 2006



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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/058,435	01/25/2002	2627	1124	PW 0277033 H7620US	7	8	4

27496  
PILLSBURY WINTHROP SHAW PITTMAN LLP  
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McLean, VA 22102

CONFIRMATION NO. 4292  
CORRECTED FILING RECEIPT



\*OC000000019397434\*

Date Mailed: 06/23/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

**Applicant(s)**

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Domestic Priority data as claimed by applicant

**Foreign Applications**

JAPAN 2001-19142 01/26/2001

If Required, Foreign Filing License Granted: 03/27/2002

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/058,435**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

**Title**

OPTICAL DISC RECORDER WITH RECORDING MODALITY SWITCHING FOR HIGH QUALITY RECORDING

**Preliminary Class**

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Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

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For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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**Title 37, Code of Federal Regulations, 5.11 & 5.15**

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US007088665B2

(12) **United States Patent**  
**Ogawa et al.**

(10) **Patent No.:** **US 7,088,665 B2**  
(45) **Date of Patent:** **Aug. 8, 2006**

(54) **OPTICAL DISC RECORDER WITH  
RECORDING MODALITY SWITCHING FOR  
HIGH QUALITY RECORDING**

(75) Inventors: **Atsushi Ogawa**, Hamamatsu (JP);  
**Tomoaki Hirai**, Iwata (JP)

(73) Assignee: **Yamaha Corporation**, Hamamatsu (JP)

(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 667 days.

(21) Appl. No.: **10/058,435**

(22) Filed: ~~Jan. 30, 2002~~ **JAN. 26, 2002**

(65) **Prior Publication Data**

US 2002/0100861 A1 Aug. 1, 2002

(30) **Foreign Application Priority Data**

Jan. 26, 2001 (JP) ..... 2001-019142

(51) **Int. Cl.**  
**G11B 7/00** (2006.01)

(52) **U.S. Cl.** ..... **369/116**; 369/53.37; 369/53.26;  
369/53.27

(58) **Field of Classification Search** ..... 369/53.37,  
369/53.26, 53.27, 116  
See application file for complete search history.

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(57) **ABSTRACT**

An error detector circuit compares a value corresponding to a laser power supplied from a monitor diode of an optical pickup with a value representative of a target laser power, and outputs an error from the target value to a change-over switch. The change-over switch selects one of low-pass filters used for CAV recording and CLV recording. The low-pass filter used for CAV recording has a larger time constant than that of the low-pass filter used for CLV recording. The servo gain of a servo loop during the CAV recording is therefore set smaller than that of a servo loop during the CLV recording. A change in the laser power becomes gentle.

**8 Claims, 7 Drawing Sheets**

